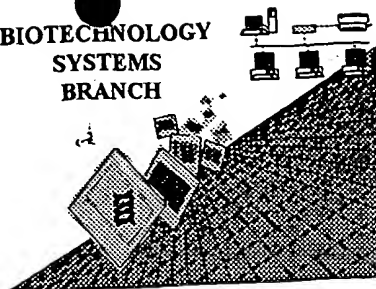


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



BC
#5

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/856,937
Source: Per/09
Date Processed by STIC: 9/13/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/856,937

DATE: 09/13/2001
TIME: 17:22:53

Input Set : A:\Dre-0019.app
Output Set: N:\CRF3\09132001\I856937.raw

ERRORED SEQUENCES

see next page

Does Not Comply
Corrected Diskette Needed

<1107
<1207
<1407
<1417
<1607

These MANDATORY numeric identifiers and

09/856,937 2

responses are missing

~~SEQUENCE LISTING~~

- ☐ <210> 1
- ☐ <211> 2613
- ☐ <212> DNA
- ☐ <213> Homo sapiens
- ☐
- ☐ <400> 1

Page I

Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,937

DATE: 09/13/2001

TIME: 17:22:54

Input Set : A:\Dre-0019.app

Output Set: N:\CRF3\09132001\I856937.raw

L:2 M:283 W: Missing Blank Line separator, <210> field identifier
L:0 M:282 W: Numeric Field Identifier Missing, <110> is required.
L:0 M:282 W: Numeric Field Identifier Missing, <120> is required.
L:0 M:282 W: Numeric Field Identifier Missing, <160> is required.
L:0 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (0) Counted (5)